

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Takaaki HIGASHIDA et al. :
Serial No. NEW : **Attn: APPLICATION BRANCH**
Filed February 20, 2004 : Attorney Docket No. 2004-0276
METHOD OF MANUFACTURING A :
SEMICONDUCTOR ELEMENT-MOUNTING
BOARD
(Rule 1.53(b) Continuation Application
of Serial No. 09/878,419,
Filed June 12, 2001)

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of ☒ the references listed on attached form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No. 09/878,419.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

- 1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

- 1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

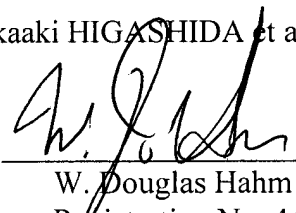
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
 - b. ☐ a foreign patent office search report (in the English language) submitted herewith,
 - c. ☐ the concise explanation contained in the specification of the present application at page ,
 - d. ☐ the concise explanation set forth in the attached English language abstract,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.
6. ☐ Statement Under 37 CFR 1.704(d)

Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign Patent Office in a counterpart application, and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the Information Disclosure statement.

Respectfully submitted,

Takaaki HIGASHIDA et al.

By



W. Douglas Hahm
Registration No. 44,142
Attorney for Applicants

WDH/gtg
Washington, D.C. 20006-1021
Telephone (202) 721-8200
Facsimile (202) 721-8250
February 20, 2004

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: February 20, 2004

ATTY DOCKET NO.
2004-0276SERIAL NO.
NEWAPPLICANT
Takaaki HIGASHIDA et al.FILING DATE
February 20, 2004

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,870,289	2-9-99	Tokuda et al.	361	779	
	AB	5,781,264	7-14-98	Noda et al.	349	150	
	AC	5,541,567	7-30-96	Fogel et al.	336	200	
	AD	5,535,101	7-9-96	Miles et al.	367	808	
	AE	5,517,751	5-21-96	Bross et al.	29	830	
	AF	5,483,421	1-9-96	Gedney et al.	361	771	
	AG	5,477,933	12-26-95	Nguyen	174	262	
	AH	5,281,771	1-25-94	Swift et al.	174	262	
	AI	5,258,648	11-2-93	Lin	257	778	
	AJ	4,202,007	5-6-80	Dougherty et al.	357	80	
	AK	5,036,431	6-1991	Adachi et al.	361	412	
	AL	5,410,807	5-1995	Bross et al.	29	843	
	AM	5,455,456	10-1995	Newman	257	704	
	AN	5,478,972	12-1995	Mizutani et al.	174	250	
	AO	4,926,241	5-1990	Carey	257	698	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AP	602 328	6-22-94	Europe				
	AQ	603 928	6-29-94	Europe				
	AR	587 442	3-16-94	Europe				

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AS	
--	----	--

EXAMINER

DATE CONSIDERED

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: February 20, 2004

ATTY DOCKET NO.
2004-0276SERIAL NO.
NEWAPPLICANT
Takaaki HIGASHIDA et al.FILING DATE
February 20, 2004

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,616,406	10/1986	Brown	29	856	
	AB	4,916,523	04/1990	Sokolovsky	174	52.1	
	AC	3,862,790	01/1975	Davies et al.	439	66	
	AD	5,637,176	06/1997	Gilleo et al.	156	277	
	AE	5,810,607	09/1998	Shih et al.	439	66	
	AF						
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ	04-240759	08/1992	Japan			Abstract
	AK	02-11375	01/1990	Japan			Abstract
	AL	08-167630	06/1996	Japan			Abstract
	AM						
	AN						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

EXAMINER

DATE CONSIDERED